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(71) Applicant: **mitsui petrochem ind ltd**

(72) Inventor: **yukimune takahito
hara yasuhito**

(74) Representative:

(54) PRODUCTION OF TAXANE-TYPE DITERPENE

(57) Abstract:

PURPOSE: To obtain a taxane-type diterpene compound useful for a medicine, etc., of ovarian cancer, breast cancer and lung cancer, etc., in a high productivity by culturing tissue or cell, etc., of a plant producing a taxane-type diterpene in a medium containing fatty acids and recovering a product from the resultant cultured material.

CONSTITUTION: A tissue and/or cell of a plant (e.g. *Taxus brevifolia* NUTT) producing taxane-type diterpene (e.g. taxol, et.) is cultured in a medium containing 10-22C fatty acids such as oleic acid, linoleic acid, linolenic acid, arachidonic acid, capric acid, decenoic acid, lauric acid, dodecenoic acid, myristic acid, palmitic acid, stearic acid, eicosapentaenoic acid or docosahexaenoic acid in a concentration of 0.01-1000 μ M. The object taxane-type diterpene useful for a remedy of ovarian cancer, breast cancer and lung cancer, etc., is obtained in a high productivity by recovering the taxane-type diterpene from the resultant cultured material.

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HARA YASUHIRO;**Assignee: **MITSUI PETROCHEM IND LTD**
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	US5994392	1999-11-30	Shashoua; Victor E.	Neuromedica, Inc.	Antipsychotic prodrugs comprising an antipsychotic agent coupled to an unsaturated fatty acid
	US5919815	1999-07-06	Bradley; Matthews O.	Neuromedica, Inc.	Taxane compounds and compositions

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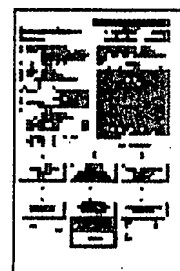
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PDF	Publication	Pub. Date	Filed	Title
	US6465221	Oct. 15, 2002	March 19, 2001	Method of producing a taxane-type diterpene
	JP9065889A2	March 11, 1997	Aug. 28, 1995	PRODUCTION OF TAXANE-TYPE DITERPENE
	JP8205882A2	Aug. 13, 1996	Nov. 20, 1995	PRODUCTION OF TAXANE TYPE DITERPENE
	JP8163991A2	June 25, 1996	Dec. 15, 1994	PRODUCTION OF TAXANE-TYPE DITERPENE
	JP8140690A2	June 4, 1996	Nov. 25, 1994	PRODUCTION OF TAXANE-TYPE DITERPENE
	EP0727492B1	Jan. 31, 2001	Nov. 27, 1995	A method of producing a taxane-type diterpene

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	EP0727492	Oct. 16, 1996	Nov. 27, 1995	A method of producing a taxane-type diterpen
	EP0727492A2	Aug. 21, 1996	Nov. 27, 1995	A method of producing a taxane-type diterpene
	DE69520034T2	July 19, 2001	Nov. 27, 1995	VERFAHREN ZUR HERSTELLUNG EINES DITERPENS VOM TAXANTYP
	DE69520034C0	March 8, 2001	Nov. 27, 1995	METHODE ZUR HERSTELLUNG EINES DITERPENS VOM TYP TAXAN
	CN1132792A	Oct. 9, 1996	Nov. 25, 1995	METHOD OF PRODUCING TAXANE-TYPE DITERPENE
	CN1068381B	July 11, 2001	Nov. 25, 1995	METHOD OF PRODUCING TAXANE-TYPE DITERPENE
	CA2163614AA	May 26, 1996	Nov. 23, 1995	METHOD OF PRODUCING A TAXANE-TYPE DITERPENE
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	US6080877	2000-06-27	Swindell; Charles S.	Neuromedica, Inc.	<u>Taxanes</u>
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